

Cardiac Arrest Review 2012

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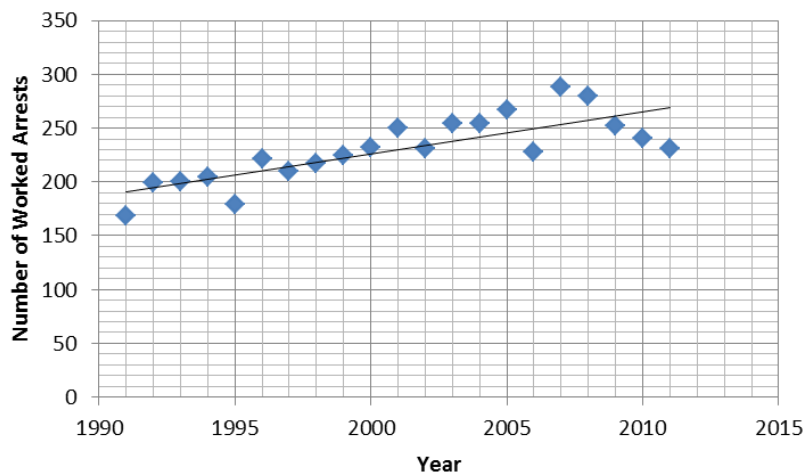
Prehospital Cardiac Arrest Survival

- First collection 1988 – Ron Maio, MD
- Arrests identified by EMS
- Adult arrests of presumed cardiac origin
- Excluded
 - Dead on scene (no resuscitation attempt)
 - DNR, GI Bleeds, Overdoses, Prisoners
 - Health care arrests (hospital, clinic, dialysis)

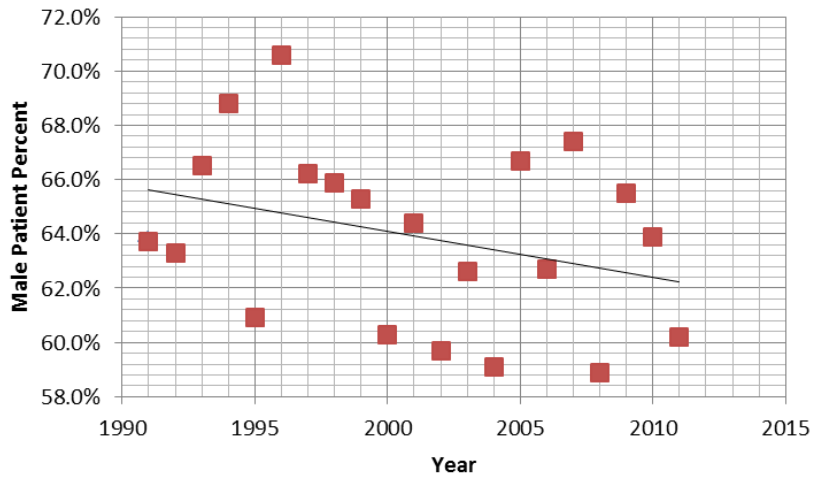
Cardiac Arrest Outcomes

- Hospital outcomes obtained
- Cases not retrospectively excluded for non-cardiac origin
- Data compiled by Medical Control Authority
- Data for last 21 years, 1991 – 2011

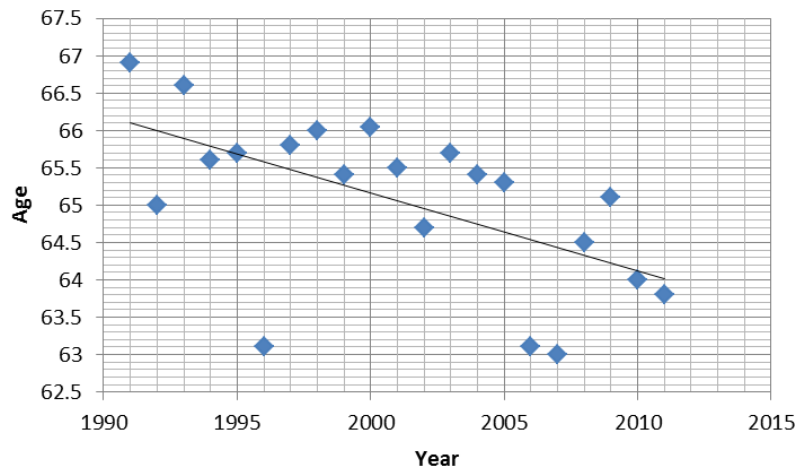
Resuscitations Attempted



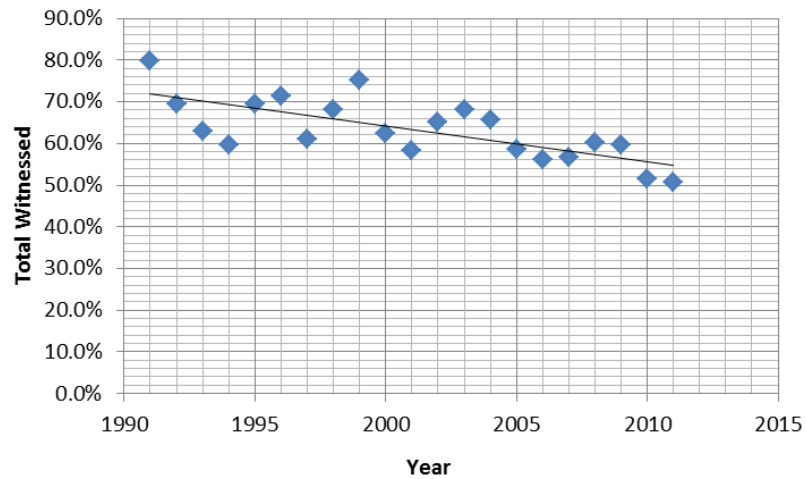
Male Patient Percent



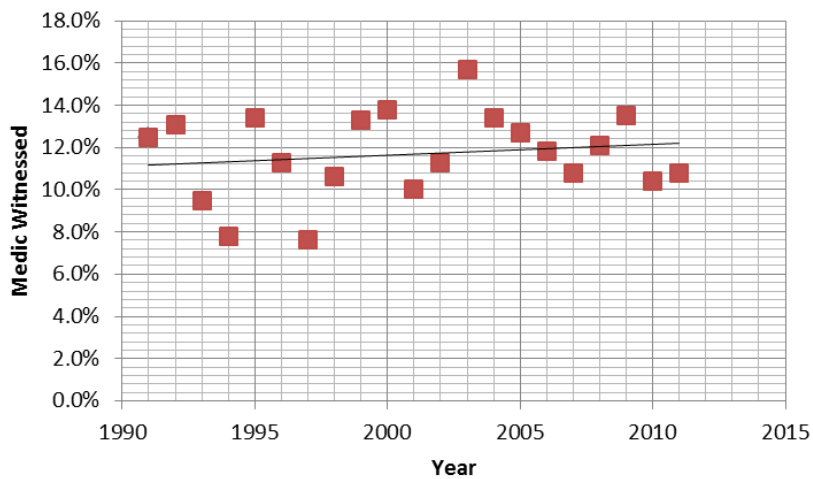
Age of Resuscitation Attempts



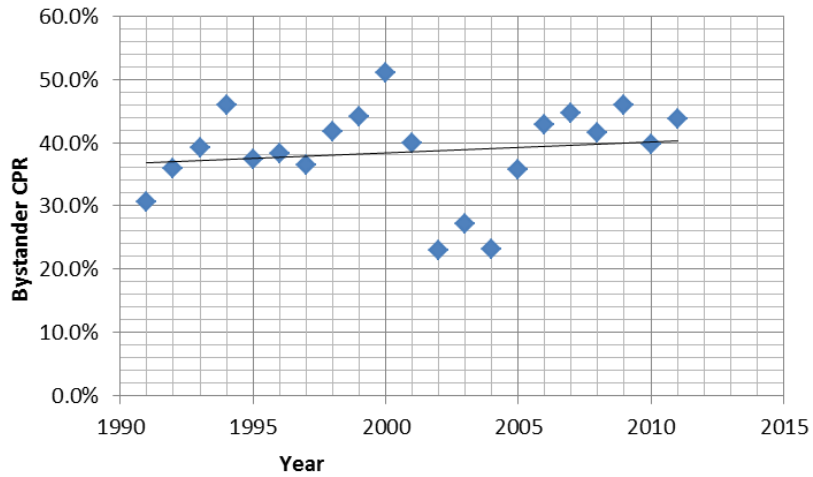
Total Witnessed Arrests



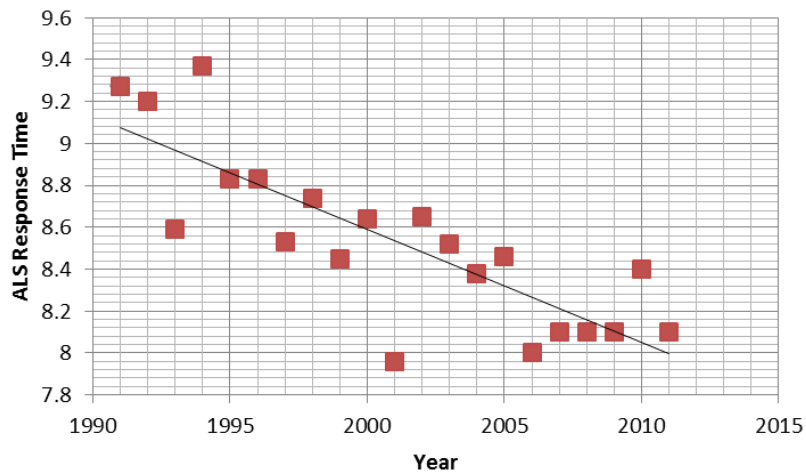
Medic Witnessed Arrests



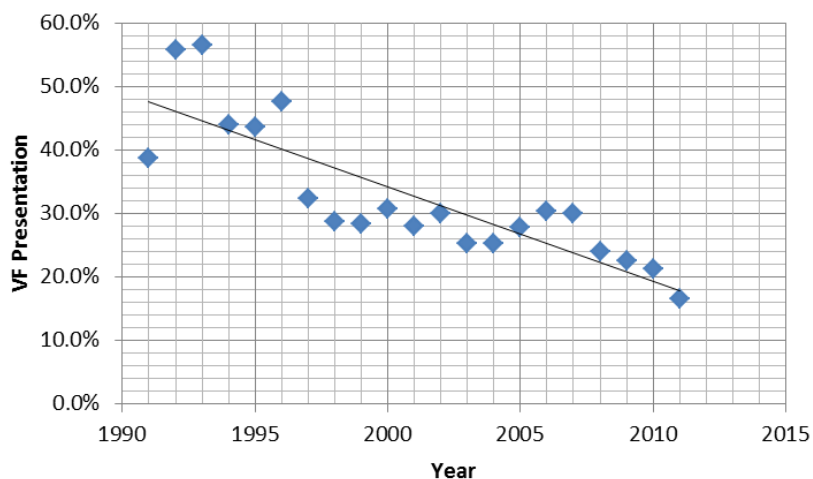
Bystander CPR Rate



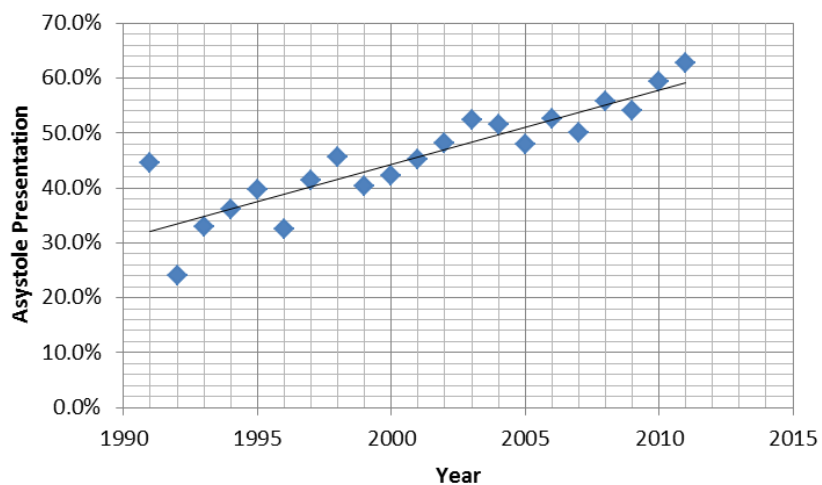
ALS Response Time



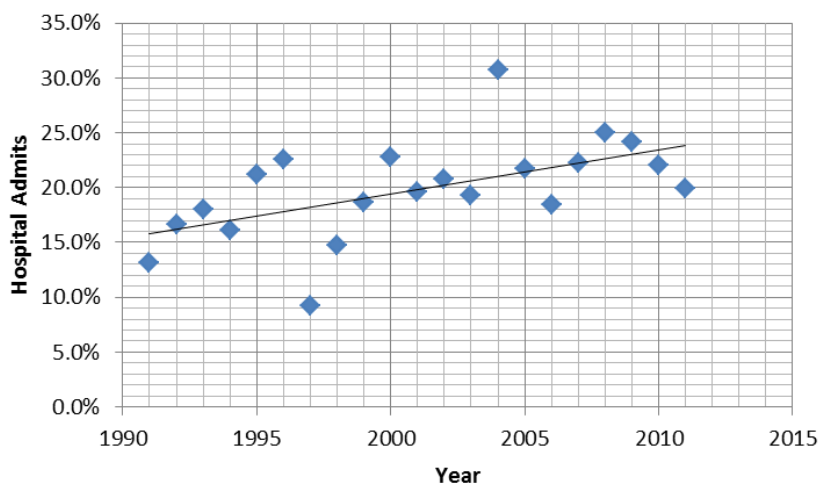
VF at Presentation



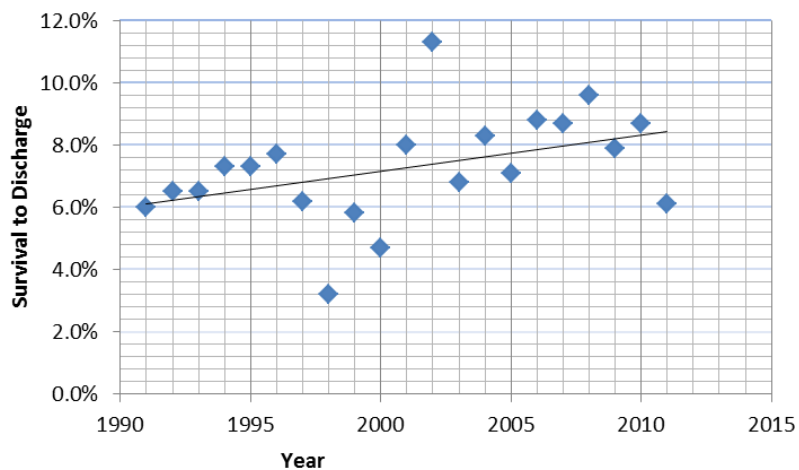
Asystole at Presentation



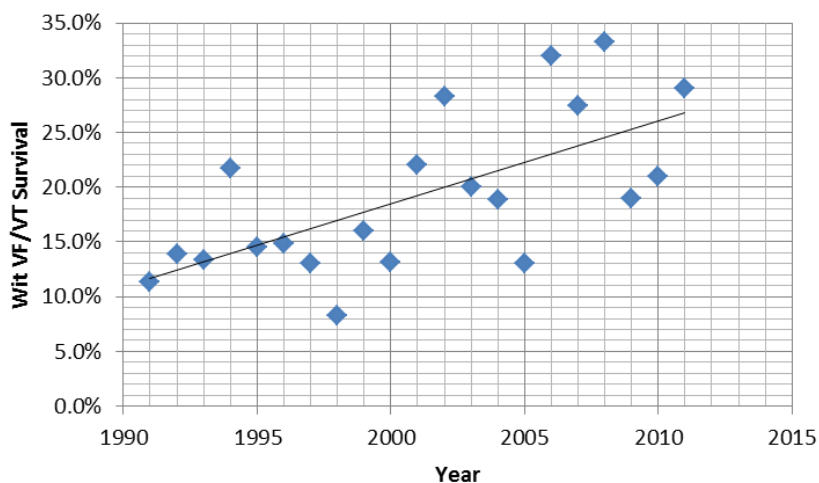
Hospital Admits



Survival to Hospital DC



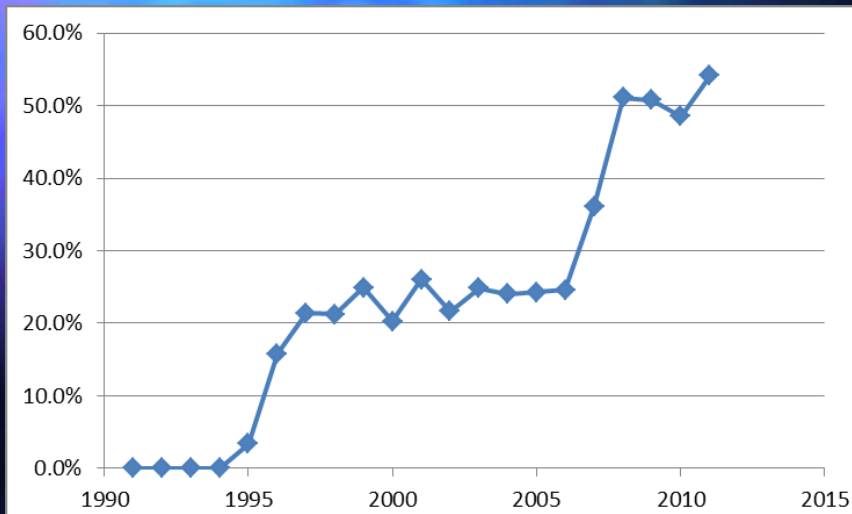
Witnessed VF/VT Survival



Attempts to Improve Survival

- 1990 - AEDs for first responders 1990
- 1995 - Work all arrests at the scene
- 2007 – 2009 ResQ Trial training to improve Standard CPR & C/D CPR with ITD with renewed emphasis on working arrests at the scene

Scene Termination of Resuscitation



Witnessed VF/VT Survival

